

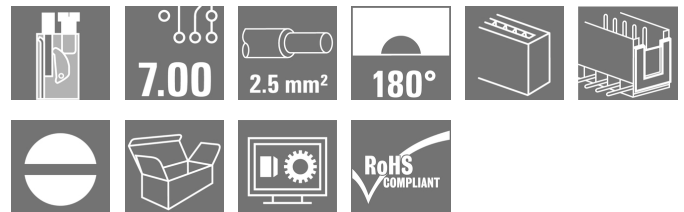
STV S 6 TB**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Tried-and-tested power connector system for straight conductor-conductor connections, with TOP system for space-saving conductor connection. Counterpart also available with optional solder pins for PCB connection. Versatile thanks to mounting bracket for fixing to enclosure and screw locking, plus extensive accessories.

General ordering data

Version	PCB plug-in connector, female plug, 7.00 mm, Number of poles: 6, 180°, TOP connection, Clamping range, max. : 2.5 mm², Box
Order No.	1612350000
Type	STV S 6 TB
GTIN (EAN)	4008190199074
Qty.	10 pc(s).
Product data	IEC: / 24 A / 0.5 - 2.5 mm² UL: 600 V / 17 A / AWG 22 - AWG 14
Packaging	Box

Creation date March 24, 2021 11:05:19 AM CET

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Technical data

Dimensions and weights

Depth	40.8 mm	Depth (inches)	1.606 inch
Height	22.6 mm	Height (inches)	0.89 inch
Net weight	51.8 g		

System Parameters

Product family	OMNIMATE Power - series STV	Type of connection	Field connection
Wire connection method	TOP connection	Pitch in mm (P)	7 mm
Pitch in inches (P)	0.276 inch	Conductor outlet direction	180°
Number of poles	6	L1 in mm	35 mm
L1 in inches	1.378 inch	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Volume resistance	3.60 mΩ
Can be coded	Yes	Stripping length	15 mm
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Clamping screw	M 3	Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264		

Material data

Insulating material	Wemid (PA)	Colour	Pebble grey
Colour chart (similar)	RAL 7032	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Insulation strength	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	Contact material	CuZn
Contact surface	silver-plated	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	100 °C		

Conductors suitable for connection

Clamping range, min.	0.32 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 12
Solid, min. H05(07) V-U	0.5 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²	Flexible, max. H05(07) V-K	2.5 mm ²
Plug gauge in accordance with EN 60999 a x b; ø		Reference text	The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage.
	2.8 mm x 2.0 mm		

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	24 A
Rated current, max. number of poles (Tu=20°C)	22 A	Rated current, min. number of poles (Tu=40°C)	20 A
Rated current, max. number of poles (Tu=40°C)	19 A	Short-time withstand current resistance	1 x 1s with 300 A

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Technical data**Rated data acc. to CSA**

Institute (CSA)



Certificate No. (CSA)

12400-343

Rated voltage (Use group B / CSA) 300 V

Rated voltage (Use group D / CSA) 300 V

Rated current (Use group B / CSA) 17 A

Rated current (Use group D / CSA) 17 A

Wire cross-section, AWG, min. AWG 20

Wire cross-section, AWG, max. AWG 14

Reference to approval values
Specifications are maximum values, details - see approval certificate.**Rated data acc. to UL 1059**

Institute (UR)



Certificate No. (UR)

E92202

Reference to approval values
Specifications are maximum values, details - see approval certificate.**Rated data acc. to UL 1977**

Institute (UR)



Certificate No. (UR)

E92202

Reference to approval values
Specifications are maximum values, details - see approval certificate.

Rated current (UL 1977) 17 A

Rated voltage (UL 1977)

600 V

AWG-conductor, max. (UL 1977) 14

AWG-conductor, min. (UL 1977)

22

Packing

Packaging Box

VPE length 48 mm

VPE width 124 mm

VPE height 180 mm

Classifications

ETIM 6.0 EC002638

ETIM 7.0 EC002638

ECLASS 9.0 27-44-03-09

ECLASS 9.1 27-44-03-09

ECLASS 10.0 27-44-03-09

ECLASS 11.0 27-46-02-02

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Technical data

Important note

IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.
Notes	• Additional colours on request • Rated current related to rated cross-section & min. No. of poles. • Wire end ferrule without plastic collar to DIN 46228/1 • Wire end ferrule with plastic collar to DIN 46228/4 • P on drawing = pitch • Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards. • Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Approvals

Approvals



ROHS	Conform
UL File Number Search	E92202

Downloads

Approval/Certificate/Document of Conformity	Declaration of the Manufacturer
Engineering Data	EPLAN, WSCAD

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Drawings

Dimensional drawing

